

Professional Science Master's Programs

IN TODAY'S COMPETITIVE GLOBAL MARKETPLACE, THE U.S. WORKFORCE NEEDS EXPERTLY TRAINED PROFESSIONALS WHO COMBINE ADVANCED SCIENCE OR MATHEMATICS KNOWLEDGE WITH EXPERTISE IN COMMUNICATIONS, PROJECT MANAGEMENT, ETHICS, AND OTHER HIGH DEMAND WORKPLACE SKILLS. THE PROFESSIONAL SCIENCE MASTER'S (PSM) DEGREE PREPARES GRADUATES WITH THOSE SKILLS AND MORE.

What is a Professional Science Master's Degree?

The Professional Science Master's (PSM) is an innovative, new graduate degree designed to allow students to pursue advanced training in science or mathematics, while simultaneously developing workplace skills highly valued by employers. PSM programs are developed in concert with employers to prepare graduates for careers in business, government, or nonprofit organizations. Degree programs include "cross-training" in workplace skills such as business, communication, project management, and regulatory affairs.

QUICK FACTS:

- PSMs are currently offered in colleges and universities across the United States.
- **1,300+** students enrolled annually
- More than 200 programs at over 100 institutions expected by 2010
- Visit www.sciencemasters.com to learn how the PSM enhances U.S. competitiveness.

Program Examples

PSM Degree	Science/Technology Courses	+	Professional Skills
Applied Computing	Modeling, Network Design, Network Security, Simulation, Geographic Information Systems	+	Conflict Resolution, Negotiation, Project Management, Writing, Leadership
Applied Industrial Mathematics	Differential Equations, Linear Algebra, Matrix Theory, Cost Benefit Analysis	+	Leadership, Organizational Decision Making, Human Resources Management
Bio/Pharmaceutical Discovery and Development	Clinical Biostatistics, Clinical Trial Design, Gene Expression Systems, Proteomics, Molecular Evolution, Experimental Immunology	+	Applied Entrepreneurship, Intellectual Property and Licensing, U.S. Regulatory Affairs, Project Management
Forensic Science	Drug Chemistry/Toxicology, Molecular Biology, Quantum Chemistry, DNA Technologies	+	Case Law, Expert Witness Testimony, Formal Reports, Rules of Evidence

How Does the PSM Enhance U.S. Competitiveness?

- **National Scope.** PSM programs directly respond to the national need for a stronger scientific workforce by preparing individuals with expertise in science and mathematics in combination with professional skills including communication and project management that are highly valued in the marketplace.
- **Regional Strength.** Partnerships with local employers are integral to PSM programs, ensuring that they remain responsive and adaptive to current and future workforce needs.
- **Institutional Innovation.** The interdisciplinary nature of the PSM program fosters collaboration between multiple departments, schools, and fields within colleges and universities.
- **Student Benefit.** With competitive salaries and exciting opportunities awaiting them upon completion of their degrees, students find the PSM program a compelling reason to remain in science, math, and technology fields.

Where can I find additional information?

Search for PSM programs in your state at www.sciencemasters.com or contact the Council of Graduate Schools at profmasters@cgs.nche.edu to learn more about the PSM initiative.

